Annual Air Emission Inventory and Emission Statement **Facility Report**

General Facility Information

Facility ID:

00120

County - 005

State - 23

Year Inventory: 2009

SIC: 5171

Facility Name: SPRAGUE ENERGY

Emissions

Street Address: 59 MAIN ST

Mail Address: 59 MAIN ST

Contact: TIMOTHY KEISTER

SOUTH PORTLAND

ME 04106

Telephone #: 2077994899

Comment:

Group Information

Group Id:

001

Group Description: TANK #3 - #2 FUEL OIL

Actual Operating Schedule for This Group:

Hours/Day

24 Start Time: 0001

Design Capacity:

Desgin Cap. Units:

Days/Week Weeks/Year

7 End Time: 2359 52

Percent Quarterly Throughput:

Dec.-Feb. Mar.- May

Jun.- Aug. Sept.- Nov.

O3 Season Days 91

25

25

25

25

Comment:

Process Unit Information

Process Unit ID:

1

Stack #: 99

Description: BREATHING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301020

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2 Velocity: 0.0

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00

Heat Content:

Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January: February: April: May: July:

August:

October: November:

Annual Throughtput: 3250.3

Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Estimated Emissions - No RE

Factor:

1

Over All % Capture Control

Pollutant

Pollutant Description

Method:

Tons/Yr:

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.21743

Comment:

Process Unit Information

Process Unit ID:

2

Description: WORKING LOSS

Stack #: 99

Source Classfiication Code (SCC): 40301021

Description: FUGITIVE

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

Velocity: 0.0

Height: 0

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Exit Temp.: 0

Fuel Quality: Percent Sulfur:

0.000

Percent Ash:

Heat Content: 0.00

Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January: February: April:

July:

October:

Annual Throughtput: 10069.9

May:

August:

November:

Pollutant Description

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Method:

Factor:

Estimated Emissions - No RE Tons/Yr:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

3

0.0699

Comment:

05/10/2010 12:22:11

Group Information

Group Id:

002

Actual Operating Schedule for This Group:

Group Description: TANK #4 - JET KEROSENE

Start Time: 0001 Hours/Day 24

Design Capacity:

Desgin Cap. Units:

Davs/Week

Percent Quarterly Throughput:

Dec.-Feb.

Mar.- May

Sept.- Nov. Jun.- Aug.

Weeks/Year 52 End Time: 2359

O3 Season Days 91

25

25

25

25

Comment:

Process Unit Information

Process Unit ID:

Stack #: 99

1

Description: STANDING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301154 Description: Petroleum Product Storage at Refineries

Height: 0 Diameter: 0.00

Floating Roof Tanks (Varying Sizes)

Vent Height: 2 Velocity: 0.0

Jet Kerosene: Standing Loss - Internal

Exit Temp.: 0

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C

Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Monthly Throughtput:

March:

June:

September:

December: January:

April:

July:

October:

February:

May:

August:

Heat Content:

November:

Annual Throughtput: 1319.3

Units: 1000 Gallon-Years Jet Kerosene Storage C

0.00

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Method:

Factor:

Estimated Emissions - No RE

Over All % Capture Control

<u>Pollutant</u> VOC

VOLATILE ORGANIC COMPOUNDS

Pollutant Description

3

Tons/Yr: 0.00533

Comment:

Page 3 05/10/2010 12:22:11

Process Unit ID:

2

Description: WITHDRAWAL LOSS

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40301119

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Floating Roof Tanks (Varying Sizes) Jet Kerosene: Withdrawal Loss

Vent Height: 2

Height: 0

AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Velocity: 0.0 Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Flow Rate:

Monthly Throughtput:

1

December:

March:

June:

Heat Content:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 1246.64

Units: 1000 Gallons Jet Kerosene Throughput

0.00

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Factor:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.00175

Comment:

Group Information

Group Id:

003

Group Description: TANK #5 - JET KEROSENE

Actual Operating Schedule for This Group:

Desgin Cap. Units:

Hours/Day 24 Start Time: 0001

Design Capacity:

Days/Week 7

O3 Season Days 91

Percent Quarterly Throughput: Dec.-Feb.

Mar.- May

Jun.- Aug. Sept.- Nov.

End Time: 2359 Weeks/Year 52

25

25

25

25

Comment:

Page 4 05/10/2010 12:22:11

Process Unit ID: 1 Stack #: 99

Description: STANDING LOSS Description: FUGITIVE

Source Classfiication Code (SCC): 40301154

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Floating Roof Tanks (Varying Sizes)

Jet Kerosene: Standing Loss - Internal

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C

Exit Temp.: 0

Flow Rate: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: March: June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 1337.4 Units: 1000 Gallon-Years Jet Kerosene Storage C

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Pollutant Pollutant Description Method: Factor: Tons/Yr: Capture Control

VOC VOLATILE ORGANIC COMPOUNDS 3 0.004845

Comment:

Process Unit Information

Flow Rate:

0

Process Unit ID: 2 Stack #: 99

Description: WITHDRAWAL LOSS Description: FUGITIVE

Source Classflication Code (SCC): 40301119

Description: Petroleum Product Storage at Refineries

Floating Roof Tanks (Varying Sizes)

Jet Kerosene: Withdrawal Loss

AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Height: 0

Diameter: 0.00

Vent Height: 2

Velocity: 0.0

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: March: June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 1263.83 Units: 1000 Gallons Jet Kerosene Throughput

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Estimated Emissions - No RE

Over All % Capture Control

Pollutant

Pollutant Description

Method: Factor: Tons/Yr:

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.001775

Comment:

Group Information

Group Id:

004

Group Description: TANK 207- KEROSENE

Actual Operating Schedule for This Group:

Hours/Dav 24

Start Time: 0001

Days/Week

Weeks/Year 52

End Time: 2359

1

O3 Season Days 91

25

Design Capacity:

Mar.- May 25

Percent Quarterly Throughput:

25

Jun.- Aug.

Desgin Cap. Units:

25

Sept.- Nov.

Comment:

Dec.-Feb.

Process Unit Information

Process Unit ID:

1

Description: BREATHING LOSS

Stack #: 99

Description: FUGITIVE

Source Classfiication Code (SCC): 40301016

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size)

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C

Heat Content: 0.00

Velocity: 0.0 Exit Temp.: 0

Vent Height: 2

Flow Rate:

Height: 0

Diameter: 0.00

Fuel Quality: Percent Sulfur: 0.000 Monthly Throughtput:

December:

March:

Percent Ash:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 1502.3

Units: 1000 Gallon-Years Jet Kerosene Storage C

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE Factor:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

Pollutant Description

Method: 3

Tons/Yr: 0.089275

Comment:

Page 6

Process Unit ID:

2

Stack #: 99

Description: WORKING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301018

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2 Velocity: 0.0

Jet Kerosene: Working Loss (Tank Diameter Independent) AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 **Heat Content:** Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 3302.16

Units: 1000 Gallons Jet Kerosene Throughput

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE Factor:

Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.0278

Comment:

Group Information

Group Id:

005

Group Description: TANK #13-#2 FUEL OIL

Actual Operating Schedule for This Group:

Design Capacity:

Desgin Cap. Units:

Hours/Day 24 Start Time: 0001

Days/Week

7

Percent Quarterly Throughput: Dec.-Feb. Mar.- May

Weeks/Year O3 Season Days 91

End Time: 2359 52

25

25

Jun.- Aug.

25

Sept.- Nov. 25

Comment:

05/10/2010 12:22:11

Process Unit ID:

1

Stack #: 99

Description: WORKING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301021

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

Velocity: 0.0

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Exit Temp.: 0

Fuel Quality: Percent Sulfur:

0.000 Percent Ash: **Heat Content:**

Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 10643.3

Units: 1000 Gallons Distillate Oil (No. 2) Thro

0.00

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Factor:

Estimated Emissions - No RE Tons/Yr:

Over All % Capture Control

<u>Pollutant</u> VOC

VOLATILE ORGANIC COMPOUNDS

Method: 3

0.07398

Comment:

Process Unit Information

Process Unit ID:

2

Pollutant Description

Stack #: 99

Description: BREATHING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301020

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2 Velocity: 0.0

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000

Percent Ash:

Heat Content:

Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

Annual Throughtput: 3226.4

August:

November:

Units: 1000 Gallon-Years Distillate Oil (No. 2)

0.00

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr: Factor:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.21698

Comment:

Group Information

Group Id:

006

Group Description: TANK #14- #2 FUEL OIL

Actual Operating Schedule for This Group:

Hours/Day

24 Start Time: 0001

Days/Week

Weeks/Year

52

End Time: 2359

Percent Quarterly Throughput:

Dec.-Feb. Mar.- May

Jun.- Aug. Sept.- Nov.

Desgin Cap. Units:

25

O3 Season Days 91

25

Design Capacity:

25

25

Comment:

Process Unit Information

Process Unit ID:

1

Description: WORKING LOSS

Stack #: 99

Description: FUGITIVE

Fuel Quality: Percent Sulfur: 0.000

Source Classification Code (SCC): 40301021

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

0.00 Heat Content: Percent Ash:

1

Exit Temp.: 0 Flow Rate:

Height: 0

Diameter: 0.00

Velocity: 0.0

Vent Height: 2

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 13605.3

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Method:

Estimated Emissions - No RE Tons/Yr: Factor:

Pollutant Pollutant Description

VOLATILE ORGANIC COMPOUNDS

3

0.09456

Comment:

VOC

05/10/2010 12:22:11 Page 9

Over All %

Capture Control

Process Unit ID:

2

Description: BREATHING LOSS

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40301020

Description: Petroleum Product Storage at Refineries

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Diameter: 0.00

Vent Height: 2

Fixed Roof Tanks (Varying Sizes) Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size)

Velocity: 0.0 Exit Temp.: 0

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Flow Rate:

Height: 0

Monthly Throughtput:

March:

June:

1

Heat Content:

September:

December: January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 4391.4

Units: 1000 Gallon-Years Distillate Oil (No. 2)

0.00

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Over All %

Pollutant Pollutant

Pollutant Description

Method:

Factor:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.2843

Comment:

Group Information

Group Id:

007

Group Description: TANK #28- AVIATION GAS

Actual Operating Schedule for This Group:

Design Capacity:

Desgin Cap. Units:

Jun.- Aug. Sept.- Nov.

Start Time: 0001 Hours/Day 24 7

Percent Quarterly Throughput:

Days/Week

Weeks/Year End Time: 2359 52

Dec.-Feb.

Mar.- May 25

25

25

O3 Season Days 91

Comment:

25

Page 10 05/10/2010 12:22:11

Process Unit ID:

Description: STANDING LOSS

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40301153

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Floating Roof Tanks (Varying Sizes)

Vent Height: 2

Height: 0

Jet Naphtha (JP-4): Standing Loss - Internal

Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Jet Naphtha Storage Ca

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Heat Content: 0.00

Flow Rate:

Monthly Throughtput:

December: 0

March: 0

June: 0

1

September: 0

January: 0

April: 0

July: 0

October: 0

February: 0

May: 0

August: 0

November: 0

Annual Throughtput: 1300.7

Units: 1000 Gallon-Years Jet Naphtha Storage Ca

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Factor:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.457435

Comment:

Process Unit Information

Process Unit ID:

2

Stack #: 99

Description: WITHDRAWAL LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301118

Height: 0 Diameter: 0.00

Description: Petroleum Product Storage at Refineries

Vent Height: 2

Floating Roof Tanks (Varying Sizes)

Velocity: 0.0

Jet Naphtha (JP-4): Withdrawal Loss AP-42 Units: 1000 Gallons Jet Naphtha Throughput

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 Heat Content: Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

Annual Throughtput: 1385.77

November:

Units: 1000 Gallons Jet Naphtha Throughput

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Estimated Emissions - No RE

Factor:

Over All %

Pollutant Description Pollutant

Method:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.001845

Comment:

Group Information

Group Id:

008

Group Description: TANK #101 - KEROSENE

Actual Operating Schedule for This Group:

Hours/Day

24 Start Time: 0001

Design Capacity:

Desgin Cap. Units:

Days/Week Weeks/Year

7 52

Percent Quarterly Throughput:

Dec.-Feb. Mar.- May

Jun.- Aug. Sept.- Nov. O3 Season Days 91

End Time: 2359

25

25

25

25

Comment:

Process Unit Information

Process Unit ID:

Stack #:

Description: FUGITIVE

Description: BREATHING LOSS

Source Classification Code (SCC): 40301016

Height: 0

Description: Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes)

Diameter: 0.00 Vent Height: 2

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size)

Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C

Exit Temp.: 0 Flow Rate:

Heat Content: 1 Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 1236.4

Units: 1000 Gallon-Years Jet Kerosene Storage C

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

VOLATILE ORGANIC COMPOUNDS

Process Unit Emissions

Estimated Emissions - No RE

Over All % Capture Control

Pollutant

Pollutant Description

Method:

3

Tons/Yr:

Comment:

VOC

Factor: 0.082625

05/10/2010 12:22:11

Page 12

Process Unit ID:

Description: WORKING LOSS

Stack #: 99

Source Classfiication Code (SCC): 40301018

0.00

Description: FUGITIVE

Description: Petroleum Product Storage at Refineries

Diameter: 0.00 Vent Height: 2

Height: 0

Fixed Roof Tanks (Varying Sizes) Jet Kerosene: Working Loss (Tank Diameter Independent)

Velocity: 0.0

AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Heat Content:

Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 1168.38

Units: 1000 Gallons Jet Kerosene Throughput

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr: Factor:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.009835

Comment:

Group Information

Group Id:

009

Group Description: TANK #103- JET KEROSENE

Actual Operating Schedule for This Group:

Design Capacity:

Desgin Cap. Units:

Hours/Day Start Time: 0001 24

7

Percent Quarterly Throughput:

25

Days/Week Weeks/Year

End Time: 2359 52

Dec.-Feb. 25

Mar.- May 25

Jun.- Aug.

25

Sept.- Nov.

O3 Season Days 91

Comment:

05/10/2010 12:22:11

Process Unit ID:

1

Stack #: 99

1

Description: BREATHING LOSS

Description: FUGITIVE

Source Classfiication Code (SCC): 40301016

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size) AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C

Velocity: 0.0 Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Heat Content:

Flow Rate:

Monthly Throughtput:

March:

June:

September:

December: January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 585.48

Units: 1000 Gallon-Years Jet Kerosene Storage C

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Factor:

Estimated Emissions - No RE

Over All %

Pollutant_

Pollutant Description

Method:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.036545

Comment:

Process Unit Information

Process Unit ID:

Stack #: 99

Description: WORKING LOSS

Description: FUGITIVE

Height: 0

Source Classification Code (SCC): 40301018 Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Jet Kerosene: Working Loss (Tank Diameter Independent)

Velocity: 0.0

AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 **Heat Content:** Flow Rate:

Monthly Throughtput: December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 2300.57

Units: 1000 Gallons Jet Kerosene Throughput

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

05/10/2010 12:22:11 Page 14

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr: Factor:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.019365

Comment:

Group Information

Group Id:

010

Group Description: TANK #104 - ULSD

Actual Operating Schedule for This Group:

52

Hours/Day 24

Start Time: 0001

Desgin Cap. Units:

Days/Week 7

Weeks/Year

End Time: 2359

Percent Quarterly Throughput:

Dec.-Feb.

Mar.- May

Sept.- Nov. Jun.- Aug.

O3 Season Days 91

25

Design Capacity:

25

25

25

Comment:

Process Unit Information

Process Unit ID:

Stack #:

Description: BREATHING LOSS

Description: FUGITIVE

Source Classfiication Code (SCC): 40301020

1

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes) Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) Vent Height: 2 Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0

Flow Rate:

Fuel Quality: Percent Sulfur: 0.000

Monthly Throughtput: December:

March:

Percent Ash:

June:

September:

January:

April:

July:

October:

February:

May:

August:

Heat Content:

November:

Annual Throughtput: 1572.3

Pollutant Description

Units: 1000 Gallon-Years Distillate Oil (No. 2)

0.00

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Method:

Estimated Emissions - No RE Tons/Yr: Factor:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

3

0.070795

Comment:

Page 15 05/10/2010 12:22:11

Process Unit ID:

2

Stack #: 99

Description: WORKING LOSS

Description: FUGITIVE

Source Classfiication Code (SCC): 40301021

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2 Velocity: 0.0

Distillate Fuel #2: Working Loss (Tank Diameter Independent) AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 **Heat Content:** 1 Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 3456.06

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Factor:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.02186

Comment:

Group Information

Group Id:

011

Group Description: TANK #105 - #2 FUEL OIL

Actual Operating Schedule for This Group:

Hours/Day 24 Start Time: 0001

Design Capacity:

Desgin Cap. Units:

Days/Week 7

Percent Quarterly Throughput: Dec.-Feb.

Mar.- May

Jun.- Aug. Sept.- Nov.

Weeks/Year 52 O3 Season Days 91

End Time: 2359

25

25

25

25

Comment:

Page 16 05/10/2010 12:22:11

Process Unit ID: 1 Stack #: 99

Description: BREATHING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301020 Height: 0

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size)

Distillate Fuel #2: Distillate Fuel #2

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size)

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0

Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 3757.5 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Pollutant Pollutant Description Method: Factor: Tons/Yr: Capture Control

VOC VOLATILE ORGANIC COMPOUNDS 3 0.17936

Comment:

Process Unit Information

Process Unit ID: 2 Stack #: 99

Description: WORKING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301021 Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

Velocity: 0.0

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Exit Temp.: 0

Flow Rate: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: March: June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 11641.3 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Estimated Emissions - No RE

Over All %

Pollutant_

Pollutant Description

Method:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.07363

Comment:

Group Information

Group Id:

012

Group Description: TANK #111 - #2 FUEL OIL

25

Desgin Cap. Units:

Actual Operating Schedule for This Group:

Hours/Day

Start Time: 0001

Days/Week

24 7

Weeks/Year 52

End Time: 2359

Factor:

Percent Quarterly Throughput:

Dec.-Feb. 25

Design Capacity:

Mar.- May 25

Sept.- Nov. Jun.- Aug.

25

O3 Season Days 91

Comment:

Process Unit Information

Process Unit ID:

1

Description: WORKING LOSS

Stack #: Description: FUGITIVE

Source Classfiication Code (SCC): 40301021 Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Heat Content: 0.00

1

Flow Rate:

Height: 0

Diameter: 0.00

Vent Height: 2 Velocity: 0.0

Exit Temp.: 0

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 6499.11

Pollutant Description

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Method:

Estimated Emissions - No RE Factor: Tons/Yr:

Over All % Capture Control

<u>Pollutant</u> VOC

VOLATILE ORGANIC COMPOUNDS

3

0.041105

Comment:

Page 18 05/10/2010 12:22:11

Process Unit ID:

Description: BREATHING LOSS

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40301020

Description: Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size)

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 **Heat Content:**

Velocity: 0.0 Exit Temp.: 0

Vent Height: 2

Flow Rate:

Height: 0

Diameter: 0.00

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 2097.7

Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Factor:

Estimated Emissions - No RE Tons/Yr:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

Method: 3

0.10097

Comment:

Group Information

Group Id:

013

Pollutant Description

Group Description: TANK #112 - KEROSENE

25

Design Capacity:

Desgin Cap. Units:

Percent Quarterly Throughput:

Dec.-Feb. 25

Mar.- May 25

Jun.- Aug. Sept.- Nov.

25

Days/Week Weeks/Year

7 52

Actual Operating Schedule for This Group:

24

End Time: 2359

Start Time: 0001

O3 Season Days 91

Hours/Day

Comment:

Process Unit ID: 1 Stack #: 99

Description: WORKING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301018 Height: 0
Description: Petroleum Product Storage at Refineries Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Jet Kerosene: Working Loss (Tank Diameter Independent)

AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Exit Temp.: 0

Flow Rate: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: March: June: September: January: April: July: October: February: May: August: November:

Annual Throughtput: 1437.57 Units: 1000 Gallons Jet Kerosene Throughput

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

VOC VOLATILE ORGANIC COMPOUNDS 3 0.0121

Comment:

Process Unit Information

Flow Rate:

0

Process Unit ID: 2 Stack #: 99

Description: BREATHING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301016 Height: 0
Description: Petroleum Product Storage at Refineries Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size)Velocity: 0.0AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage CExit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December:

June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 2458.2 Units: 1000 Gallon-Years Jet Kerosene Storage C

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Estimated Emissions - No RE Factor:

Over All % Capture Control

Pollutant_

Pollutant Description

Method:

Tons/Yr:

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.15475

Comment:

Group Information

Group Id:

014

Group Description: TANK #113 - JET KEROSENE

Actual Operating Schedule for This Group:

52

Hours/Day 24

Start Time: 0001

Design Capacity:

Desgin Cap. Units:

Days/Week 7

End Time: 2359

Percent Quarterly Throughput:

Dec.-Feb.

Mar.- May

Jun.- Aug. Sept.- Nov. Weeks/Year

O3 Season Days

25

25

25

25

Comment:

Process Unit Information

Process Unit ID:

Stack #: 99

Description: WORKING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301018

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes) Jet Kerosene: Working Loss (Tank Diameter Independent) Vent Height: 2 Velocity: 0.0

Exit Temp.: 0

AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Flow Rate:

1 0.00 Heat Content: Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 9852.16

Pollutant Description

Units: 1000 Gallons Jet Kerosene Throughput

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE Tons/Yr: Factor:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

Method: 3

0.08294

Comment:

Process Unit ID:

Stack #: 99

Description: BREATHING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301016

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Height: 0

Fixed Roof Tanks (Varying Sizes)

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size)

Vent Height: 2

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C

Velocity: 0.0 Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

1

Flow Rate:

Monthly Throughtput:

December: 0

March: 0

June: 0

Heat Content:

September: 0

January: 0 February: 0 April: 0 May: 0

0.00

July: 0 August: 0

October: 0 November: 0

Annual Throughtput: 2507.3 Units: 1000 Gallon-Years Jet Kerosene Storage C

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Factor:

Over All %

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

Method: 3

Tons/Yr: 0.15475

Capture Control

Comment:

Group Information

Group Id:

015

Pollutant Description

Group Description: TANK #114 - KEROSENE

Design Capacity:

Desgin Cap. Units:

Hours/Day 24 Start Time: 0001 Davs/Week 7

Actual Operating Schedule for This Group:

Percent Quarterly Throughput:

Mar.- May

Weeks/Year

End Time: 2359

Dec.-Feb. 25

25

Jun.- Aug. Sept.- Nov. 25

25

52 O3 Season Days 91

Comment:

05/10/2010 12:22:11

Process Unit ID:

Stack #: 99 Description: FUGITIVE Description: WORKING LOSS

Height: 0 Source Classification Code (SCC): 40301018 Description: Petroleum Product Storage at Refineries Diameter: 0.00

Fixed Roof Tanks (Varying Sizes) Vent Height: 2 Jet Kerosene: Working Loss (Tank Diameter Independent) Velocity: 0.0 AP-42 Units: 1000 Gallons Jet Kerosene Throughput Exit Temp.: 0

Flow Rate:

Heat Content: Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00

Monthly Throughtput:

December: March: June: September: July: October: April: January: November: August: May: February:

Units: 1000 Gallons Jet Kerosene Throughput Annual Throughtput: 2370.41

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE Over All % Tons/Yr: Factor: Method: Capture Control Pollutant Pollutant Description

3 VOC VOLATILE ORGANIC COMPOUNDS 0.019955

Comment:

Process Unit Information

Process Unit ID: 2 Stack #: 99

Description: FUGITIVE Description: BREATHING LOSS

Height: 0 Source Classfiication Code (SCC): 40301016 Description: Petroleum Product Storage at Refineries Diameter: 0.00

Fixed Roof Tanks (Varying Sizes) Vent Height: 2

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size) Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C Exit Temp.: 0 Flow Rate:

Heat Content: 0.00 1 Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Monthly Throughtput:

December: March: June: September: July: October: January: April:

November: February: May: August:

Units: 1000 Gallon-Years Jet Kerosene Storage C Annual Throughtput: 2508.49

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Estimated Emissions - No RE

Tons/Yr: Factor:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

Method: 3

0.15475

Comment:

Group Information

Group Id:

Design Capacity:

016

Group Description: TANK #1 - BIODIESEL

Pollutant Description

Actual Operating Schedule for This Group:

Hours/Day

24 Start Time: 0001

Height: 0

Diameter: 0.00 Vent Height: 2

Velocity: 0.0

September: 0

Exit Temp.: 0 Flow Rate:

Days/Week

Weeks/Year End Time: 2359 52

Stack #: 99 Description: FUGITIVE

O3 Season Days 91

25

Dec.-Feb.

Mar.- May 25

Percent Quarterly Throughput:

Jun.- Aug. 25

Desgin Cap. Units:

25

Sept.- Nov.

Comment:

Process Unit Information

Process Unit ID:

Description: BREATHING LOSS

Source Classification Code (SCC): 40301020 Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Monthly Throughtput: December: 0

January: 0

February: 0

March: 0

April: 0

May: 0

Heat Content: 0.00

June: 0

July: 0 August: 0 1

October: 0

November: 0

Annual Throughtput: 28.764

Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Method:

Estimated Emissions - No RE Tons/Yr: Factor:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

Pollutant Description

3

0.21743

Comment:

Process Unit ID:

Description: WORKING LOSS

Stack #: 99 Description: FUGITIVE

Source Classification Code (SCC): 40301021

Description: Petroleum Product Storage at Refineries

2

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Working Loss (Tank Diameter Independent) AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 Heat Content: Exit Temp.: 0

Vent Height: 2

Height: 0

Diameter: 0.00

Velocity: 0.0

Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 213.728

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE Factor:

Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.00135

Actual Operating Schedule for This Group:

Comment:

Group Information

Group Id:

017

Group Description: TANK #118 - #2 FUEL OIL

Design Capacity:

Desgin Cap. Units:

25

Percent Quarterly Throughput:

25

Dec.-Feb. Mar.- May

Sept.- Nov. Jun.- Aug.

25

Hours/Day

24 Start Time: 0001

Days/Week 7

Weeks/Year 52

End Time: 2359

O3 Season Days 91

25 Comment:

Process Unit ID:

1

Description: BREATHING LOSS

Stack #:

1

Description: FUGITIVE

Source Classfiication Code (SCC): 40301020 Description: Petroleum Product Storage at Refineries

Height: 0 Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size)

Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Heat Content: 0.00

Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 3876.18

Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Factor: Tons/Yr: Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.18422

Comment:

Process Unit Information

Process Unit ID:

Stack #: 99

Description: WORKING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301021

Height: 0 Diameter: 0.00

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Velocity: 0.0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 Heat Content: Exit Temp.: 0

0

Monthly Throughtput:

December:

March:

June:

1

September:

Flow Rate:

January:

April:

July:

October:

February:

May:

November:

August:

Annual Throughtput: 12009.0

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr: Factor:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.07596

Comment:

Group Information

Group Id:

018

Actual Operating Schedule for This Group:

Group Description: TANK 42 - #2 OIL

Hours/Day 24

Start Time: 0001

End Time: 2359

Design Capacity:

Desgin Cap. Units:

25

Days/Week 7

Weeks/Year 52

Percent Quarterly Throughput:

Dec.-Feb. Mar.- May Jun.- Aug. Sept.- Nov.

O3 Season Days 91

25

25

25

Comment:

Process Unit Information

Process Unit ID:

1

Stack #:

0.00

Description: WORKING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301021 Description: Petroleum Product Storage at Refineries

Height: 0 Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

Velocity: 0.0 Exit Temp.: 0

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Monthly Throughtput:

March:

June:

1

September:

December: January:

April:

July:

October:

February:

May:

August:

Heat Content:

November:

Annual Throughtput: 19309.4

Pollutant Description

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Method:

Estimated Emissions - No RE Tons/Yr:

Factor:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

3

0.122135

Comment:

05/10/2010 12:22:11

Page 27

Process Unit ID:

2

Description: BREATHING LOSS

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40301020

Description: Petroleum Product Storage at Refineries

Diameter: 0.00 Vent Height: 2

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size)

Velocity: 0.0

Height: 0

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0 Flow Rate:

Heat Content: Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Units: 1000 Gallon-Years Distillate Oil (No. 2) Annual Throughtput: 6232.55

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Factor:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.26181

Comment:

Group Information

Group Id:

019

Group Description: TANK #2 - BIODIESEL

Actual Operating Schedule for This Group:

Hours/Day

Start Time: 0001 24

Days/Week

7

Weeks/Year 52 End Time: 2359

O3 Season Days 91

Percent Quarterly Throughput:

Dec.-Feb.

Design Capacity:

Mar.- May 25

Jun.- Aug. Sept.- Nov. 25

Desgin Cap. Units:

25

Comment:

25

05/10/2010 Page 28 12:22:11

Process Unit ID:

1

Stack #: 99

Description: BREATHING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301020

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes) Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) Vent Height: 2 Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Heat Content: 0.00

Flow Rate:

Monthly Throughtput:

December: 0 January: 0 March: 0

June: 0

1

September: 0

February: 0

April: 0

July: 0

October: 0

May: 0

August: 0

November: 0

Annual Throughtput: 9.5

Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE Factor:

Over All %

Pollutant Pollutant

Pollutant Description

Method:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.21743

Comment:

Process Unit Information

Process Unit ID:

2

Stack #: 99

Description: WORKING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301021

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

Velocity: 0.0

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

1

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 **Heat Content:**

Flow Rate: 0

Monthly Throughtput:

December:

March:

June:

September:

January:

February:

April:

July:

October:

May: August: November:

Annual Throughtput: 70.589

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Estimated Emissions - No RE Factor:

Over All % Capture Control

Pollutant

Pollutant Description

Method:

Tons/Yr:

VOC

VOLATILE ORGANIC COMPOUNDS

3

4.35e-4

Comment:

Group Information

Group Id:

020

Actual Operating Schedule for This Group:

Group Description: TANK #7 - 6 OIL

Hours/Day 24 Start Time: 0001

End Time: 2359

Design Capacity:

Desgin Cap. Units:

Days/Week

Percent Quarterly Throughput:

Mar.- May

Sept.- Nov. Jun.- Aug.

25

Weeks/Year 52

O3 Season Days 91

Dec.-Feb. 25

25

25

Comment:

Process Unit Information

Process Unit ID:

1

Stack #:

Heat Content:

Description: BREATHING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301065

Height: 0 Diameter: 0.00

Description: Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes)

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Vent Height: 2

Grade 6 Fuel Oil: Breathing Loss (250000 Bbl. Tank Size)

Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Residual Oil (No. 6) S

Exit Temp.: 0

1

Flow Rate:

Monthly Throughtput:

December: 0

March: 0

June: 0

September: 0

January: 0

April: 0

July: 0

October: 0

February: 0

May: 0

August: 0

November: 0

Tons/Yr:

Annual Throughtput: 3800

Units: 1000 Gallon-Years Residual Oil (No. 6) S

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Factor:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

Pollutant Description

Method: 5

Comment:

Page 30 05/10/2010 12:22:11

Process Unit ID:

2

Description: WORKING LOSS

Stack #: 99

Source Classfiication Code (SCC): 40301075

Description: FUGITIVE

Description: Petroleum Product Storage at Refineries

Height: 0 Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Grade 6 Fuel Oil: Working Loss (Independent Tank Diameter)

Vent Height: 2 Velocity: 0.0

AP-42 Units: 1000 Gallons Residual Oil (No. 6) Throug

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 **Heat Content:** 1 Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 15605.2

Units: 1000 Gallons Residual Oil (No. 6) Throug

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr: Factor:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

5

0.000705

Comment:

Group Information

Group Id:

022

Group Description: TANK 210 - BOILER #2 OIL

Actual Operating Schedule for This Group:

7

Hours/Day 24 Start Time: 0001

Design Capacity:

Percent Quarterly Throughput:

Desgin Cap. Units:

Days/Week 52

Weeks/Year

End Time: 2359

Dec.-Feb. 25

Mar.- May 25

25

Jun.- Aug.

Sept.- Nov. 25

O3 Season Days 91

Comment:

Process Unit ID:

Stack #: 99

Description: BREATHING LOSS

Description: FUGITIVE

Source Classfiication Code (SCC): 40301020

Height: 0

Description: Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes)

Diameter: 0.00

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size)

Vent Height: 2 Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0 Flow Rate: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Monthly Throughtput:

December:

March:

June:

1

Heat Content:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 20

Units: 1000 Gallon-Years Distillate Oil (No. 2)

0.00

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr: Factor:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.00164

Comment:

Process Unit Information

Process Unit ID:

Stack #: 99

Description: WORKING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301021

Height: 0 Diameter: 0.00

Description: Petroleum Product Storage at Refineries

Vent Height: 2

Fixed Roof Tanks (Varying Sizes) Distillate Fuel #2: Working Loss (Tank Diameter Independent)

Velocity: 0.0

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 **Heat Content:**

Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 337.261

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

05/10/2010 Page 32 12:22:11

Estimated Emissions - No RE Method:

Tons/Yr: Factor:

Over All % Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.002345

Comment:

Pollutant

Group Information

Group Id:

026

Pollutant Description

Group Description: FULTON HEATER #1

Actual Operating Schedule for This Group:

Hours/Day 24 Start Time: 0001

Days/Week

7

Weeks/Year 52

End Time: 2359

Percent Quarterly Throughput:

Dec.-Feb.

Design Capacity: 9.9

Mar.- May

Jun.- Aug. Sept.- Nov.

Desgin Cap. Units: 1

22

O3 Season Days 91

21

28

29

Comment: Fulton Heater #1 replaces boiler #1.

Process Unit Information

Process Unit ID:

Description: #2 FUEL OIL

1

Stack #: 1

1

Description: BOILER 026

Source Classfiication Code (SCC): 10200501

Description: External Combustion Boilers - Industrial

Distillate Oil

Grades 1 and 2 Oil

AP-42 Units: 1000 Gallons Distillate Oil (No. 1 & 2)

Fuel Quality: Percent Sulfur: 0.350 Percent Ash: 0.01 Heat Content:

Monthly Throughtput:

December:

March:

June:

September:

Height: 18

Diameter: 1.30

Velocity: 0.0

Vent Height: 0

Exit Temp.: 0 Flow Rate:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 112.420

Units: 1000 Gallons Distillate Oil (No. 1 & 2)

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

	Process Unit Emissions						
Pollutant	Pollutant Description	Method:	Estimated En Factor:	nissions - No RE Tons/Yr:	Over All % Capture Control		
10024972	NITROUS OXIDE (N2O) , NOT (NO2)	. 9	0.13	0.007307			
Comment:							
124389	CARBON DIOXIDE	9	22680	1274.843			
Comment:							
7439921	LEAD	9	0.00126	7.08e-5			
Comment:							
74828	METHANE	9	0.06	0.003373			
Comment:							

05/10/2010 12:22:11

Process Unit Emissions						
Pollutant	Pollutant Description	Method:	Estimated Emissions - No RE Over All % Factor: Tons/Yr: Capture Contr			
CO	CARBON MONOXIDE	8	5.000E0	0.28105		
Comment:						
NH3	AMMONIA	8	8.000E-1	0.044968		
Comment:						
NOX	NITROGEN OXIDES	9	42	2.36082		
Comment:						
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION	9	10	0.5621		
Comment:	,					
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.014053		
Comment:	,					
SO2	SULFUR DIOXIDE	8	1.42E2	2.793637		
Comment:						
VOC	VOLATILE ORGANIC COMPOUNDS	9	0.34	0.019111		
Comment: E	Emission factor based on AP-42 and license limit.					
	Group I	nformati	on			
Group Id: 027 Actual Operating Schedule for This Group:						
-	ription: FULTON HEATER #2		Hours/Da	•		
Design Capa	5 .		k 7 ar 52 End Time: 2359			
DecFeb.	nterly Throughput: Mar May Jun Aug. Sept Nov.	O3 Season Days 91				
21	28 29 22					
Comment:	Fulton Heater #2 replaces boiler #2.					
	Process Un	it Inform	ation			
Process Uni			Stack	c #: 2		
•	#2 FUEL OIL		Description	on: BOILER 027		
	sfiication Code (SCC): 10200501 External Combustion Boilers - Industrial			Height: 14 Diameter: 2.00		
Distillate O	il			Vent Height: 0		
Grades 1 at AP-42 Units	nd 2 Oil s: 1000 Gallons Distillate Oil (No. 1 & 2)			Velocity: 0.0 Exit Temp.: 0		
	y: Percent Sulfur: 0.350 Percent Ash: 0.01	Heat Conten	ıt: 1	Flow Rate: 0		
Monthly Th		11041 001101				
D	ecember: March:	Jur	ıe:	September:		
	January: April:	Ju	ly:	October:		
I	February: May:	Augu	gust: November:			
Annual Throughtput: 112.420 Units: 1000 Gallons Distillate Oil (No. 1 & 2)						

05/10/2010 12:22:11 Page 34

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

		nit Emiss	Estimated Emissions - No RE		Over All %
Pollutant	Pollutant Description	Method:	Factor:	Tons/Yr:	Capture Contro
10024972	NITROUS OXIDE (N2O), NOT (NO2)	9	0.13	0.007307	
Comment:					
124389	CARBON DIOXIDE	9	22680	1274.843	
Comment:					
7439921	LEAD	9	0.00126	7.08e-5	
Comment:					
74828	METHANE	9	0.06	0.003373	
Comment:					
co	CARBON MONOXIDE	8	5.000E0	0.28105	
Comment:					
NH3	AMMONIA	8	8.000E-1	0.044968	
Comment:					
NOX	NITROGEN OXIDES	9	42	2.36082	
Comment:					
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION	9	10	0.5621	
Comment:					
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.014053	
Comment:					
SO2	SULFUR DIOXIDE	8	1.42E2	2.793637	
Comment:					
voc	VOLATILE ORGANIC COMPOUNDS	9	0.34	0.019111	
	mission factor based on AP-42 and license limit.				

Group Information

Group Id:

028

Group Description: BOILER #3

Actual Operating Schedule for This Group:

Hours/Day 24 Start Time: 0001

Days/Week 7

Weeks/Year End Time: 2359 52

Percent Quarterly Throughput:

Dec.-Feb.

Design Capacity: 1

Mar.- May

Jun.- Aug. Sept.- Nov.

19

Desgin Cap. Units: 1

31 6 O3 Season Days 91

Comment:

44

Process Unit Information

Process Unit ID:

Stack #: 3

Description: #2 FUEL OIL

Description: BOILER 028

Source Classification Code (SCC): 10200501

Height: 20 Diameter: 0.80

Description: External Combustion Boilers - Industrial Distillate Oil

Vent Height: 0

Grades 1 and 2 Oil

Velocity: 0.0

AP-42 Units: 1000 Gallons Distillate Oil (No. 1 & 2)

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.350 Percent Ash:

Heat Content: 0.01

Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 5.708

Units: 1000 Gallons Distillate Oil (No. 1 & 2)

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

	Process Unit Emissions					
		3 C - A - A -	Estimated Emissions - No RE Factor: Tons/Yr:		Over All %	
<u>Pollutant</u>	Pollutant Description	Method:	Factor:	10115/11.	Capture Control	
10024972	NITROUS OXIDE (N2O) , NOT (NO2)	9	0.13	3.71e-4		
Comment:						
124389	CARBON DIOXIDE	9	22680	64.72872		
Comment:						
7439921	LEAD	9	0.00126	3.60e-6		
Comment:						
74828	METHANE	9	0.06	1.71e-4		
Comment:						
co	CARBON MONOXIDE	8	5.000E0	0.01427		
Comment:						
NH3	AMMONIA	8	8.000E-1	0.002283		
Comment:						

	Process Ui	nit Emiss	ions			
			Estimated Em	issions - No RE Over All % Tons/Yr: Capture Control		
Pollutant	Pollutant Description	Method:	Factor:	Captare Control		
NOX	NITROGEN OXIDES	9	42	0.119868		
Comment:						
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION	9	10	0.02854		
Comment:						
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.000714		
Comment:						
SO2	SULFUR DIOXIDE	8	1.42E2	0.141844		
Comment:						
voc	VOLATILE ORGANIC COMPOUNDS	9	0.34	0.00097		
Comment: E	Emission factor based on AP-42 and license limit.					
	Group I	nformati	on			
Group Id:	029	Actual Operating Schedule for This Group:				
-	ription:BOILER #5	Hours/Day 24 Start Time: 0100				
Design Capa	acity: 2 Desgin Cap. Units: 1	Days/Week 7 Weeks/Year 52 End Time: 2300				
Percent Qua DecFeb.	rterly Throughput: Mar May Jun Aug. Sept Nov.		O3 Season Da			
34	26 23 17			•		
C						
Comment:	Process Un	i trafa	-4i			
Process Uni		it iniorm		1. 4. 100		
	LOW PRESSURE BOILER			k #: 100 ion: BOILER #5 GROUP		
Source Clas	sfiication Code (SCC): 10200503			Height: 18		
Description: Distillate O	External Combustion Boilers - Industrial			Diameter: 1.30		
< 10 Million				Vent Height: 0 Velocity: 0.1		
AP-42 Units	s: 1000 Gallons Distillate Oil Burned			Exit Temp.: 50		
Fuel Quality Monthly Th	v: Percent Sulfur: 0.350 Percent Ash: 0.01 proughtput:	Heat Conten	t: 1	Flow Rate: 0		
D	ecember: March:	Jun	ie:	September:		
	January: April:	Jul	ly:	October:		
_						

Annual Throughtput: 24.653 Units: 1000 Gallons Distillate Oil Burned

May:

Comment:

February:

Process Unit Control Equipment

August:

November:

No Control Devices found for this Process Unit.

05/10/2010 12:22:11 Page 37

	Process Unit Emissions							
				issions - No RE	Over All %			
<u>Pollutant</u>	Pollutant Description	Method:	Factor:	Tons/Yr:	Capture Control			
10024972	NITROUS OXIDE (N2O) , NOT (NO2)	9	0.13	0.001603				
Comment:								
124389	CARBON DIOXIDE	9	22680	279.565				
Comment:								
7439921	LEAD	9	0.00126	1.55e-5				
Comment:								
74828	METHANE	9	0.06	0.00074				
Comment:								
CO	CARBON MONOXIDE	8	5.000E0	0.061633				
Comment:								
NH3	AMMONIA	8	8.000E-1	0.009861				
Comment:								
NOX	NITROGEN OXIDES	9	42	0.517713				
Comment:								
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION	9	2	0.024653				
Comment:								
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.003082				
Comment:								
SO2	SULFUR DIOXIDE	8	1.42E2	0.612627				
Comment:								
VOC	VOLATILE ORGANIC COMPOUNDS	9	0.34	0.004191				
Comment: E	Emission factor based on AP-42 and license limit.							

Group Information

Group Id: 030
Group Description: FULTON HEATER #3

Design Capacity: 9.9 Desgin Cap. Units: 1

Percent Quarterly Throughput:

Dec.-Feb. Mar.- May Jun.- Aug. Sept.- Nov.

21 28 29 22

Comment:

Actual Operating Schedule for This Group:

Hours/Day 24 Start Time: 0001

Days/Week 7

Weeks/Year 52 End Time: 2359

Page 38

O3 Season Days 0

05/10/2010 12:22:11

Process Unit ID:

Description: #2 FUEL OIL

Stack #: 3

Description: BOILER 028

Source Classification Code (SCC): 10200501

Diameter: 0.80

Distillate Oil

Description: External Combustion Boilers - Industrial

Vent Height: 0

Height: 20

Grades 1 and 2 Oil

AP-42 Units: 1000 Gallons Distillate Oil (No. 1 & 2)

Velocity: 0.0

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.350 Percent Ash: 0.01

Heat Content:

Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 112.420

Units: 1000 Gallons Distillate Oil (No. 1 & 2)

1

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions								
Pollutant	Pollutant Description	Method:	Estimated Em Factor:	issions - No RE Tons/Yr:	Over All % Capture Control			
10024972	NITROUS OXIDE (N2O) , NOT (NO2)	9	0.13	0.007307	·			
Comment:								
124389	CARBON DIOXIDE	9	22680	1274.843				
Comment:								
7439921	LEAD	8	0.003369	1.89e-4				
Comment:								
74828	METHANE	9	0.06	0.003373				
Comment:								
CO	CARBON MONOXIDE	8	5.000E0	0.28105				
Comment:		_						
NH3	AMMONIA	8	8.000E-1	0.044968				
Comment:		_		4.0400.4				
NOX	NITROGEN OXIDES	8	2.400E1	1.34904				
Comment:	DOVICE DAY DATE OF THE PARTY DAY	o	1.000E0	0.05621				
PM10-FIL Comment:	PRIMARY PM10, FILTERABLE PORTION	8	1.000E0	0.03021				
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.014053				
Comment:	I RIMANT I WES, THE ENABLE I ON HOW	3	2.50012-1	VIV. 1000				
SO2	SULFUR DIOXIDE	8	1.42E2	2.793637				
Comment:	3323 23322							

Estimated Emissions - No RE

Factor:

Over All % Capture Control

Pollutant

Pollutant Description

Method:

8

Tons/Yr:

VOC

VOLATILE ORGANIC COMPOUNDS

0.42

0.008263

Comment:

Group Information

Group Id:

098

Group Description: TRUCK LOADING RACKS

Desgin Cap. Units:

Actual Operating Schedule for This Group:

Hours/Day 24

Start Time: 0001

Days/Week

Weeks/Year 52

End Time: 2359

O3 Season Days

Dec.-Feb.

Design Capacity:

Mar.- May

Percent Quarterly Throughput:

Jun.- Aug. Sept.- Nov.

25

25

25

25

Comment:

Process Unit Information

Process Unit ID:

Stack #: 99

Description: ALL FUELS

Description: FUGITIVE

1

Source Classfiication Code (SCC): 40400250 Description: Petroleum Liquids Storage (non-Refinery)

Height: 0 Diameter: 0.00

Bulk Plants

Vent Height: 2 Velocity: 0.0

Loading Racks AP-42 Units: 1000 Gallons Liquid Transferred

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Heat Content:

Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 106426

Units: 1000 Gallons Liquid Transferred

0.00

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Factor:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

Pollutant Description

Method: 3

Tons/Yr: 0.7482

Comment:

05/10/2010 12:22:11 Page 40

Group Information

Group Id:

099

Group Description: VESSEL LOADING

Actual Operating Schedule for This Group:

52

Hours/Day Start Time: 0001

Design Capacity:

Desgin Cap. Units:

Days/Week

Percent Quarterly Throughput:

Weeks/Year

End Time: 2359

Dec.-Feb.

Mar.- May

Sept.- Nov. Jun.- Aug.

O3 Season Days 78

25

25

25

25

Comment:

Process Unit Information

Process Unit ID:

1

Stack #: 99

Description: #2 FUEL OIL

Description: FUGITIVE

Source Classification Code (SCC): 40400250

Height: 0 Diameter: 0.00

Description: Petroleum Liquids Storage (non-Refinery)

Vent Height: 2

Bulk Plants Loading Racks

Velocity: 0.0

AP-42 Units: 1000 Gallons Liquid Transferred

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Heat Content:

1

Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 20524

Units: 1000 Gallons Liquid Transferred

0.00

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE Over All % **Pollutant** Tons/Yr: Pollutant Description Method: Factor: Capture Control

VOC

Comment:

VOLATILE ORGANIC COMPOUNDS

3

0.117

05/10/2010 12:22:11

Facility Pollutant Emissions Summary

Facility ID:

00120

County - **005**

State - 23

CAS	Pollutant		Emissions tons / year
10024972	NITROUS OXIDE (N2O) , NOT (NO2)	0.023895	0.023895
124389	CARBON DIOXIDE	4168.823	4168.823
7439921	LEAD	3.50e-4	3.50e-4
74828	METHANE	0.01103	0.01103
CO	CARBON MONOXIDE	0.919053	0.919053
NH3	AMMONIA	0.147048	0.147048
NOX	NITROGEN OXIDES	6.708261	6.708261
PM10-FIL		1.233603	1.233603
	PRIMARY PM2.5, FILTERABLE PORTION ONLY	0.045955	0.045955
SO2	SULFUR DIOXIDE	9.135382	9.135382
VOC	VOLATILE ORGANIC COMPOUNDS	4.764846	4.764846

Process Unit ID: 1 Stack #: 99

Description: WORKING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301018 Height: 0

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Diameter: 0.00

Vent Height: 2

Jet Kerosene: Working Loss (Tank Diameter Independent)

AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Exit Temp.: 0
Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: June: September:

January: April: July: October: February: May: August: November:

Annual Throughtput: 1437.57 Units: 1000 Gallons Jet Kerosene Throughput

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Pollutant Pollutant Description Method: Estimated Emissions - No RE Over All %

Restimated Emissions - No RE Over All %

Capture Control

VOC VOLATILE ORGANIC COMPOUNDS 3 0.0121

Comment:

Process Unit Information

Process Unit ID: 2 Stack #: 99

Description: BREATHING LOSS Description: FUGITIVE

Source Classflication Code (SCC): 40301016 Height: 0

Description: Petroleum Product Storage at Refineries Diameter: 0.00

Fixed Roof Tanks (Varying Sizes) Vent Height: 2

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size) Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: June: September: January: April: July: October:

February: May: August: November:

Annual Throughtput: 2458.2 Units: 1000 Gallon-Years Jet Kerosene Storage C

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Estimated Emissions - No RE

Factor:

Over All % Capture Control

Pollutant_

Pollutant Description

Method:

Tons/Yr:

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.15475

Comment:

Group Information

Group Id:

014

Group Description: TANK #113 - JET KEROSENE

Actual Operating Schedule for This Group: 24

52

Hours/Day

Start Time: 0001

Desgin Cap. Units:

Days/Week 7

Weeks/Year

End Time: 2359

Percent Quarterly Throughput: Dec.-Feb. Mar.- May

Design Capacity:

Jun.- Aug. Sept.- Nov. 25

25

25

25

O3 Season Days 91

Comment:

Process Unit Information

Process Unit ID:

Stack #: 99 Description: FUGITIVE

Description: WORKING LOSS

Source Classification Code (SCC): 40301018

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Jet Kerosene: Working Loss (Tank Diameter Independent)

AP-42 Units: 1000 Gallons Jet Kerosene Throughput

1

Velocity: 0.0 Exit Temp.: 0 Flow Rate:

Height: 0

Diameter: 0.00

Vent Height: 2

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 **Heat Content:**

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 9852.16

Pollutant Description

Units: 1000 Gallons Jet Kerosene Throughput

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE Tons/Yr:

Factor:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

Method: 3

0.08294

Comment:

05/10/2010

Page 21 14:51:23

Process Unit ID:

Description: BREATHING LOSS

Stack #: 99

Description: FUGITIVE

Source Classfiication Code (SCC): 40301016

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size)

Vent Height: 2 Velocity: 0.0

Flow Rate:

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C

2

Exit Temp.: 0

Height: 0

Heat Content: 1 Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00

Monthly Throughtput:

December: 0 March: 0 June: 0

September: 0

January: 0 February: 0 April: 0 May: 0

July: 0 August: 0

October: 0 November: 0

Units: 1000 Gallon-Years Jet Kerosene Storage C Annual Throughtput: 2507.3

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Factor:

Over All %

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

Method: 3

Tons/Yr: 0.15475

Actual Operating Schedule for This Group:

52

Capture Control

Comment:

Group Information

Group Id:

015

Pollutant Description

Group Description: TANK #114 - KEROSENE

24

Design Capacity:

Desgin Cap. Units:

Hours/Day Days/Week 7

Start Time: 0001

Percent Quarterly Throughput:

Dec.-Feb.

Mar.- May

Jun.- Aug. Sept.- Nov.

Weeks/Year O3 Season Days 91 End Time: 2359

25

25

25

25

Comment:

Page 22 05/10/2010 14:51:23

Process Unit ID: 1 Stack #: 99

Description: WORKING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301018 Height: 0
Description: Petroleum Product Storage at Refineries Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Jet Kerosene: Working Loss (Tank Diameter Independent)

AP-42 Units: 1000 Gallons Jet Kerosene Throughput

Exit Temp.: 0

Flow Rate: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: March: June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 2370.41 Units: 1000 Gallons Jet Kerosene Throughput

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE Over All %
Pollutant Pollutant Description Method: Factor: Tons/Yr: Capture Control

VOC VOLATILE ORGANIC COMPOUNDS 3 0.019955

Comment:

Process Unit Information

Process Unit ID: 2 Stack #: 99

Description: BREATHING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301016 Height: 0
Description: Petroleum Product Storage at Refineries Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Jet Kerosene: Breathing Loss (67000 Bbl. Tank Size)

Vent Height: 2

Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Jet Kerosene Storage C Exit Temp.: 0
Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: March: June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 2508.49 Units: 1000 Gallon-Years Jet Kerosene Storage C

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Estimated Emissions - No RE

Factor:

Over All %

Pollutant_

Pollutant Description

Method:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.15475

Comment:

Group Information

Group Id:

016

Group Description: TANK #1 - BIODIESEL

Actual Operating Schedule for This Group:

52

Hours/Dav

24 Start Time: 0001

Desgin Cap. Units:

Days/Week 7

End Time: 2359

Percent Quarterly Throughput:

Dec.-Feb. Mar.- May

Jun.- Aug. Sept.- Nov. Weeks/Year

25

Design Capacity:

25

25

25

O3 Season Days 91

Comment:

Process Unit Information

Process Unit ID:

1

Stack #: 99

Description: FUGITIVE

Description: BREATHING LOSS

Source Classfiication Code (SCC): 40301020 Description: Petroleum Product Storage at Refineries

Height: 0 Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2 Velocity: 0.0

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0

Flow Rate:

0.00 **Heat Content:** 1 Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Monthly Throughtput:

Pollutant Description

March: 0

June: 0

September: 0

January: 0

April: 0

July: 0

October: 0

February: 0

December: 0

May: 0

August: 0

November: 0

Annual Throughtput: 28.764

Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE Tons/Yr: Factor:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

Method: 3

0.21743

Comment:

Page 24 05/10/2010 14:51:23

Process Unit ID:

2

Description: WORKING LOSS

Stack #: 99

Source Classfiication Code (SCC): 40301021

Description: FUGITIVE

Description: Petroleum Product Storage at Refineries

Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2 Velocity: 0.0

Height: 0

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

Exit Temp.: 0

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

0.00 **Heat Content:** 1

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 213.728

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Factor: Tons/Yr: Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.00135

Comment:

Group Information

Group Id:

017

Group Description: TANK #118 - #2 FUEL OIL

Design Capacity:

Desgin Cap. Units:

Hours/Day 24 Start Time: 0001

Days/Week 7

Weeks/Year 52 End Time: 2359

Actual Operating Schedule for This Group:

Percent Quarterly Throughput:

Dec.-Feb. 25

Mar.- May 25

Jun.- Aug. Sept.- Nov. 25

25

O3 Season Days 91

Comment:

05/10/2010 14:51:23

Stack #: 99 Process Unit ID: 1

Description: FUGITIVE Description: BREATHING LOSS

Height: 0 Source Classification Code (SCC): 40301020

Diameter: 0.00 Description: Petroleum Product Storage at Refineries Vent Height: 2 Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) Velocity: 0.0 Exit Temp.: 0 AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2) Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 **Heat Content:** 1

Monthly Throughtput:

September: June: March: December: October: July: January: April:

November: August: May: February:

Units: 1000 Gallon-Years Distillate Oil (No. 2) Annual Throughtput: 3876.18

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Over All % Estimated Emissions - No RE Tons/Yr: Capture Control Factor: Method: Pollutant Description Pollutant

0.18422 **VOLATILE ORGANIC COMPOUNDS** 3 VOC

Comment:

Process Unit Information

Stack #: 99 2 Process Unit ID:

Description: FUGITIVE **Description: WORKING LOSS**

Height: 0 Source Classification Code (SCC): 40301021

Diameter: 0.00 Description: Petroleum Product Storage at Refineries Vent Height: 2 Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Working Loss (Tank Diameter Independent) Velocity: 0.0 Exit Temp.: 0 AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

June: September: December: March: October: July: April: January: November:

August: May: February:

Units: 1000 Gallons Distillate Oil (No. 2) Thro Annual Throughtput: 12009.0

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Page 26 05/10/2010 14:51:23

Estimated Emissions - No RE

Factor:

Over All % Capture Control

Pollutant

Pollutant Description

Method:

Tons/Yr:

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.07596

Comment:

Group Information

Group Id:

Design Capacity:

018

Group Description: TANK 42 - #2 OIL

Actual Operating Schedule for This Group:

52

Hours/Day 24

Start Time: 0001

Desgin Cap. Units: Davs/Week

0.00

Weeks/Year

End Time: 2359

Percent Quarterly Throughput:

Dec.-Feb. Mar.- May Jun.- Aug. Sept.- Nov. O3 Season Days 91

25

25

25

25

Comment:

Process Unit Information

Process Unit ID:

Description: WORKING LOSS

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40301021

Height: 0 Diameter: 0.00

Description: Petroleum Product Storage at Refineries Fixed Roof Tanks (Varying Sizes)

Vent Height: 2 Velocity: 0.0

Distillate Fuel #2: Working Loss (Tank Diameter Independent) AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Exit Temp.: 0 Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Monthly Throughtput:

March:

June:

1

September:

December: January:

April:

July:

October:

February:

May:

August:

Heat Content:

November:

Annual Throughtput: 19309.4

Pollutant Description

Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE Factor:

Tons/Yr:

Over All % Capture Control

Pollutant VOC

VOLATILE ORGANIC COMPOUNDS

Method: 3

0.122135

Comment:

Page 27 05/10/2010 14:51:23

0.00

Process Unit ID:

2

Description: BREATHING LOSS

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40301020

Height: 0 Diameter: 0.00

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2 Velocity: 0.0

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: Flow Rate:

Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

Heat Content:

November:

Units: 1000 Gallon-Years Distillate Oil (No. 2) Annual Throughtput: 6232.55

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Over All %

Pollutant

Pollutant Description

Method:

Factor:

Tons/Yr:

Capture Control

Start Time: 0001

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.26181

Comment:

Group Information

Group Id:

019

Group Description: TANK #2 - BIODIESEL

Actual Operating Schedule for This Group:

Hours/Day 24

Days/Week 7

Design Capacity:

Desgin Cap. Units:

Weeks/Year 52 End Time: 2359

Percent Quarterly Throughput:

Dec.-Feb. Mar.- May Jun.- Aug.

Sept.- Nov.

O3 Season Days 91

25

25

25

25

Comment:

Process Unit ID:

1

Description: BREATHING LOSS

Stack #: 99 Description: FUGITIVE

Source Classification Code (SCC): 40301020

Height: 0 Description: Petroleum Product Storage at Refineries Diameter: 0.00 Vent Height: 2 Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size) Velocity: 0.0 AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2) Exit Temp.: 0 Flow Rate:

Heat Content: 1 Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00

Monthly Throughtput:

September: 0 June: 0 March: 0 December: 0 October: 0 July: 0 April: 0 January: 0 November: 0 August: 0 May: 0 February: 0

Units: 1000 Gallon-Years Distillate Oil (No. 2) Annual Throughtput: 9.5

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Over All % Estimated Emissions - No RE

Tons/Yr: Capture Control Factor: Method: Pollutant Description Pollutant Pollutant

3 0.21743 **VOLATILE ORGANIC COMPOUNDS** VOC

Comment:

Process Unit Information

Stack #: 99 Process Unit ID: 2

Description: FUGITIVE **Description: WORKING LOSS**

Height: 0 Source Classification Code (SCC): 40301021 Diameter: 0.00 Description: Petroleum Product Storage at Refineries Vent Height: 2 Fixed Roof Tanks (Varying Sizes) Distillate Fuel #2: Working Loss (Tank Diameter Independent) Velocity: 0.0 AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro Exit Temp.: 0

Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 1 Heat Content:

Monthly Throughtput:

June: September: March: December: October: July: April: January:

August: November: May: February:

Units: 1000 Gallons Distillate Oil (No. 2) Thro Annual Throughtput: 70.589

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Page 29 05/10/2010 14:51:23

Estimated Emissions - No RE Factor:

Over All % Capture Control

Pollutant_

Pollutant Description

Method:

Tons/Yr:

VOC

VOLATILE ORGANIC COMPOUNDS

3

4.35e-4

Group Information

Group Id:

Comment:

020

Actual Operating Schedule for This Group:

Group Description: TANK #7 - 6 OIL

Hours/Day 24 Start Time: 0001

25

Days/Week 7

Desgin Cap. Units:

Weeks/Year 52 End Time: 2359

O3 Season Days 91

Percent Quarterly Throughput:

Dec.-Feb. Mar.- May

Design Capacity:

Jun.- Aug. Sept.- Nov.

25

25

25

Comment:

Process Unit Information

Process Unit ID:

Stack #: 99

Description: BREATHING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301065

Height: 0

Description: Petroleum Product Storage at Refineries

Diameter: 0.00 Vent Height: 2

Fixed Roof Tanks (Varying Sizes) Grade 6 Fuel Oil: Breathing Loss (250000 Bbl. Tank Size)

Velocity: 0.0

AP-42 Units: 1000 Gallon-Years Residual Oil (No. 6) S

Exit Temp.: 0

Flow Rate:

Monthly Throughtput:

December: 0

March: 0

Percent Ash:

June: 0

1

Heat Content:

September: 0

January: 0

February: 0

Fuel Quality: Percent Sulfur: 0.000

April: 0

May: 0

July: 0

August: 0

October: 0 November: 0

Annual Throughtput: 3800

Units: 1000 Gallon-Years Residual Oil (No. 6) S

0.00

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

Tons/Yr:

Factor:

Over All % Capture Control

VOC

Pollutant_

VOLATILE ORGANIC COMPOUNDS

Pollutant Description

Method: 5

Comment:

Page 30 05/10/2010 14:51:23

Process Unit ID:

2

Stack #: 99

Description: WORKING LOSS

Description: FUGITIVE

Source Classification Code (SCC): 40301075

Description: Petroleum Product Storage at Refineries

Height: 0 Diameter: 0.00

Fixed Roof Tanks (Varying Sizes)

Vent Height: 2

Grade 6 Fuel Oil: Working Loss (Independent Tank Diameter)

Velocity: 0.0 Exit Temp.: 0

AP-42 Units: 1000 Gallons Residual Oil (No. 6) Throug

Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

Heat Content: 0.00

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

August:

November:

Annual Throughtput: 15605.2

Units: 1000 Gallons Residual Oil (No. 6) Throug

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Estimated Emissions - No RE

1

Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr: Factor:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

5

0.000705

Comment:

Group Information

Group Id:

022

Group Description: TANK 210 - BOILER #2 OIL

Actual Operating Schedule for This Group:

Start Time: 0001 Hours/Day 24

Design Capacity:

Desgin Cap. Units:

Days/Week 7

Dec.-Feb.

Percent Quarterly Throughput:

End Time: 2359 52

25

Mar.- May 25

Jun.- Aug. 25

Sept.- Nov. 25

Weeks/Year O3 Season Days 91

Comment:

Page 31 05/10/2010 14:51:23

Process Unit ID: 1 Stack #: 99

Description: BREATHING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301020 Height: 0

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Distillate Fixed #2: Breathing Loss (250000 Bbl. Tank Size)

Velocity: 0.0

Distillate Fuel #2: Breathing Loss (250000 Bbl. Tank Size)

AP-42 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Exit Temp.: 0

Flow Rate:

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December: March: June: September:

January: April: July: October:

February: May: August: November:

Annual Throughtput: 20 Units: 1000 Gallon-Years Distillate Oil (No. 2)

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Pollutant Pollutant Description Method: Factor: Tons/Yr: Capture Control

VOC VOLATILE ORGANIC COMPOUNDS 3 0.00164

Comment:

Process Unit Information

Flow Rate:

0

Process Unit ID: 2 Stack #: 99

Description: WORKING LOSS Description: FUGITIVE

Source Classification Code (SCC): 40301021

Description: Petroleum Product Storage at Refineries

Fixed Roof Tanks (Varying Sizes)

Distillate Fuel #2: Working Loss (Tank Diameter Independent)

AP-42 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Height: 0

Vent Height: 2

Velocity: 0.0

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content: 1

Monthly Throughtput:

December:March:June:September:January:April:July:October:February:May:August:November:

Annual Throughtput: 337.261 Units: 1000 Gallons Distillate Oil (No. 2) Thro

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Estimated Emissions - No RE Factor:

Over All %

Pollutant

Pollutant Description

Method:

Tons/Yr:

Capture Control

VOC

VOLATILE ORGANIC COMPOUNDS

3

0.002345

Comment:

Group Information

Group Id:

026

Group Description: FULTON HEATER #1

Actual Operating Schedule for This Group:

Hours/Day

24 Start Time: 0001

Design Capacity: 9,9

Desgin Cap. Units: 1

Days/Week

Percent Quarterly Throughput:

Mar.- May

Sept.- Nov. Jun.- Aug.

Weeks/Year 52 End Time: 2359

Dec.-Feb. 21

28

29

O3 Season Days 91

22

Comment: Fulton Heater #1 replaces boiler #1.

Process Unit Information

Process Unit ID:

1

Stack #:

Description: #2 FUEL OIL

Description: BOILER 026

Source Classification Code (SCC): 10200501

Description: External Combustion Boilers - Industrial

Height: 18

Distillate Oil

Diameter: 1.30 Vent Height: 0

Grades 1 and 2 Oil

Velocity: 0.0

AP-42 Units: 1000 Gallons Distillate Oil (No. 1 & 2)

Exit Temp.: 0

Flow Rate:

Fuel Quality: Percent Sulfur: 0.350 Percent Ash: Monthly Throughtput:

December:

March:

June:

1

September:

January:

April:

July:

October:

February:

May:

August:

Heat Content:

November:

Annual Throughtput: 112.420

Units: 1000 Gallons Distillate Oil (No. 1 & 2)

0.01

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions								
Pollutant	Pollutant Description	Method:	Estimated Em Factor:	issions - No RE Tons/Yr:	Over All % Capture Control			
10024972	NITROUS OXIDE (N2O) , NOT (NO2)	9	0.13	0.007307				
Comment:								
124389	CARBON DIOXIDE	9	22680	1274.843				
Comment:								
7439921	LEAD	9	0.00126	7.08e-5				
Comment:								
74828	METHANE	9	0.06	0.003373				
Comment:								

F				
	Process Un		Estimated Em	uissions - No RE Over All %
<u>Poliutant</u>	Pollutant Description	Method:	Factor:	Tons/Yr: Capture Control
CO	CARBON MONOXIDE	8	5.000E0	0.28105
Comment:				
NH3	AMMONIA	8	8.000E-1	0.044968
Comment:				
NOX	NITROGEN OXIDES	9	42	2.36082
Comment:				
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION	9	10	0.5621
Comment:				
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.014053
	PRIMARY FM2.5, FILTERABLE TORTION	J	2.500E-1	0.014033
Comment:			1 4070	2 502/25
SO2	SULFUR DIOXIDE	8	1.42E2	2.793637
Comment:				
voc	VOLATILE ORGANIC COMPOUNDS	9	0.34	0.019111
Comment: I	Emission factor based on AP-42 and license limit.			
	Group I	nformat	ion	
Group Id:	027		Actual Operat	ing Schedule for This Group:
Group Desc	ription: FULTON HEATER #2		Hours/D	•
Design Cap	acity: 9.9 Desgin Cap. Units: 1		Days/We	
Percent Qua	arterly Throughput:		Weeks/Ye	
DecFeb.	Mar May Jun Aug. Sept Nov.		O3 Season D	ays 91
21	28 29 22			
Comment:	Fulton Heater #2 replaces boiler #2.			
	Process Uni	it Inforn	nation	
Process Uni				ck #: 2
Description	: #2 FUEL OIL		Describ	tion: BOILER 027

Height: 14 Source Classfiication Code (SCC): 10200501 Description: External Combustion Boilers - Industrial Diameter: 2.00 Vent Height: 0 Distillate Oil Grades 1 and 2 Oil Velocity: 0.0 AP-42 Units: 1000 Gallons Distillate Oil (No. 1 & 2) Exit Temp.: 0 Flow Rate: 0.01 **Heat Content:** 1 Fuel Quality: Percent Sulfur: 0.350 Percent Ash: Monthly Throughtput: December: March: June: September: July: October: January: April: November: February: May: August: Units: 1000 Gallons Distillate Oil (No. 1 & 2) Annual Throughtput: 112.420 Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

	Process Unit Emissions								
Dallutant	Ballutant Description	Method:	Estimated Em Factor:	Over All % Capture Control					
Pollutant 10024972	Pollutant Description NITROUS OXIDE (N2O), NOT (NO2)	9	0.13	0.007307	Cupture Control				
Comment:	,								
124389	CARBON DIOXIDE	9	22680	1274.843					
Comment:	C. II. D. C. V. D. C. I. C. V. V. C. V. V. C. V. V. C. V. V. C. V. V. C. V. C. V. C. V. C. V.	-							
7439921	LEAD	9	0.00126	7.08e-5					
Comment:	LEAD		0.00120						
74828	METHANE	9	0.06	0.003373					
Comment:	METIMALE	,	0.00	0.000070					
CO	CARBON MONOXIDE	8	5.000E0	0.28105					
	CARBON MONOAIDE	O	5.000120	0.20105					
Comment:	ANGEONIA	8	8.000E-1	0.044968					
NH3	AMMONIA	O	0.000E-1	V.U44700					
Comment:		0	40	3 3/003					
NOX	NITROGEN OXIDES	9	42	2.36082					
Comment:									
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION	9	10	0.5621					
Comment:									
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.014053					
Comment:									
SO2	SULFUR DIOXIDE	8	1.42E2	2.793637					
Comment:									
VOC	VOLATILE ORGANIC COMPOUNDS	9	0.34	0.019111					
Comment: I	Emission factor based on AP-42 and license limit.								

Group Information

Group Id:

Design Capacity: 1

028

Group Description: BOILER #3

Actual Operating Schedule for This Group:

Hours/Day 24 Start Time: 0001

Days/Week 7

Weeks/Year 52 End Time: 2359

O3 Season Days 91

Percent Quarterly Throughput:

Dec.-Feb.

Mar.- May 31

Jun.- Aug.

6 19

Sept.- Nov.

Desgin Cap. Units: 1

Comment:

44

Process Unit Information

Process Unit ID:

Stack #: 3

Description: #2 FUEL OIL

0.01

Units: 1000 Gallons Distillate Oil (No. 1 & 2)

Description: BOILER 028

Source Classfiication Code (SCC): 10200501

Height: 20

Description: External Combustion Boilers - Industrial Distillate Oil

Diameter: 0.80 Vent Height: 0

Grades 1 and 2 Oil

Velocity: 0.0

1

AP-42 Units: 1000 Gallons Distillate Oil (No. 1 & 2)

Exit Temp.: 0

Fuel Quality: Percent Sulfur: 0.350 Percent Ash:

Heat Content:

Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January: February: April:

July:

October:

Annual Throughtput: 5.708

May:

August:

November:

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions							
		3.4 - 15 - 3	Estimated En Factor:	nissions - No RE Tons/Yr:	Over All %		
Pollutant	Pollutant Description	Method:			Capture Control		
10024972	NITROUS OXIDE (N2O), NOT (NO2)	9	0.13	3.71e-4			
Comment:							
124389	CARBON DIOXIDE	9	22680	64.72872			
Comment:							
7439921	LEAD	9	0.00126	3.60e-6			
Comment:							
	REPORT A DIE	9	0.06	1.71e-4			
74828	METHANE	9	0.00	1./10-4			
Comment:							
CO	CARBON MONOXIDE	8	5.000E0	0.01427			
Comment:							
NH3	AMMONIA	8	8.000E-1	0.002283			
Comment:							

	Process Un	nit Emiss	ions			
D 11	B.B. and the	Method:	Estimated En Factor:	nissions - No RE Tons/Yr:	Over All % Capture Control	
Pollutant NOX	Pollutant Description NITROGEN OXIDES	9	42	0.119868	Captare Control	
Comment:	MIROGENOAIDES	,				
	PRIMARY PM10, FILTERABLE PORTION	9	10	0.02854		
PM10-FIL	PRIMARY PWIIU, FILTERABLE FORTION	,	10	0.02054		
Comment:	PROCESS OF THE PROPERTY OF THE PROPERTY OF	0	2.500E-1	0.000714		
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.000714		
Comment:			4 40770	0.141044		
SO2	SULFUR DIOXIDE	8	1.42E2	0.141844		
Comment:						
VOC	VOLATILE ORGANIC COMPOUNDS	9	0.34	0.00097		
Comment: I	Emission factor based on AP-42 and license limit.					
	Group I	nformati	ion			
Group Id:	029			ting Schedule for	This Group:	
	ription:BOILER #5		Hours/I	_	Time: 0100	
Design Cap	acity: 2 Desgin Cap. Units: 1	Days/Week 7 Weeks/Year 52 End Time: 2300 O3 Season Days 91				
-	arterly Throughput:					
DecFeb.	Mar May Jun Aug. Sept Nov. 26 23 17		O3 Season E	ays 71		
34	20 23 17					
Comment:						
	Process Un	it Inforn				
Process Uni Description	it ID: 1 : LOW PRESSURE BOILER			ck #: 100 tion: BOILER #	5 GROUP	
	sfiication Code (SCC): 10200503			Height:		
Description Distillate O	: External Combustion Boilers - Industrial			Diameter: Vent Height:		
< 10 Millio	n Btu/hr **			Velocity:		
AP-42 Unit	s: 1000 Gallons Distillate Oil Burned			Exit Temp. Flow Rate:		
	y: Percent Sulfur: 0.350 Percent Ash: 0.01 hroughtput:	Heat Conte	nt: 1	Flow Rate:	v	
D	December: March:	Ju	ne:	Septemb	er:	
	January: April:	Ju	ıly:	Octob	er:	
1	February: May:	Augu	st:	Novemb	er:	
Annual Thr	roughtput: 24.653 Units: 1000 Gallons Distillat	te Oil Burne	d			

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Comment:

Process Unit Emissions								
		N	Estimated Em Factor:	issions - No RE Tons/Yr:	Over All %			
Pollutant	Pollutant Description	Method: 9	0.13	0.001603	Capture Control			
10024972	NITROUS OXIDE (N2O), NOT (NO2)	y	0.13	0.001003				
Comment:								
124389	CARBON DIOXIDE	9	22680	279.565				
Comment:								
7439921	LEAD	9	0.00126	1.55e-5				
Comment:								
74828	METHANE	9	0.06	0.00074				
Comment:								
СО	CARBON MONOXIDE	8	5.000E0	0.061633				
Comment:								
NH3	AMMONIA	8	8.000E-1	0.009861				
Comment:		J						
NOX	NITROGEN OXIDES	9	42	0.517713				
	NI ROGEN OXIDES	9	42	0.517715				
Comment:								
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION	9	2	0.024653				
Comment:								
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.003082				
Comment:								
SO2	SULFUR DIOXIDE	8	1.42E2	0.612627				
Comment:								
VOC	VOLATILE ORGANIC COMPOUNDS	9	0.34	0.004191				
Comment: I	Comment: Emission factor based on AP-42 and license limit.							

Group Information

Group Id: Group Description: FULTON HEATER #3 Design Capacity: 9.9 Desgin Cap. Units: 1 Percent Quarterly Throughput:

030

Dec.-Feb. Mar.- May Jun.- Aug. Sept.- Nov.

21 28 29 22

Comment:

Actual Operating Schedule for This Group:

Hours/Day 24 Start Time: 0001

Days/Week 7

Weeks/Year 52 End Time: 2359

O3 Season Days

Process Unit ID:

Stack #: 3

Description: #2 FUEL OIL

Description: BOILER 028

Source Classification Code (SCC): 10200501

Height: 20 Diameter: 0.80

Description: External Combustion Boilers - Industrial Distillate Oil

Vent Height: 0

Grades 1 and 2 Oil

Velocity: 0.0

Exit Temp.: 0

1

AP-42 Units: 1000 Gallons Distillate Oil (No. 1 & 2) Fuel Quality: Percent Sulfur: 0.350 Percent Ash:

Flow Rate:

Monthly Throughtput:

December:

March:

June:

September:

January:

April:

July:

October:

February:

May:

Annual Throughtput: 112.420

August:

Heat Content:

November:

Comment:

Units: 1000 Gallons Distillate Oil (No. 1 & 2)

0.01

Process Unit Control Equipment

No Control Devices found for this Process Unit.

	Process Unit Emissions							
Dellutent	Pallytant Description	Method:	Estimated Em Factor:	issions - No RE Tons/Yr:	Over All % Capture Control			
Pollutant 10024972	Pollutant Description NITROUS OXIDE (N2O), NOT (NO2)	9	0.13	0.007307	Captaic Control			
Comment:		-						
124389	CARBON DIOXIDE	9	22680	1274.843				
Comment:	CAMON DIOMDE		22000	12711015				
7439921	LEAD	8	0.003369	1.89e-4				
	LEAD	0	0.003309	1.070-4				
Comment:	DADOVI A NIC	9	0.06	0.003373				
74828	METHANE	y	0.00	0.003373				
Comment:		_						
CO	CARBON MONOXIDE	8	5.000E0	0.28105				
Comment:								
NH3	AMMONIA	8	8.000E-1	0.044968				
Comment:								
NOX	NITROGEN OXIDES	8	2.400E1	1.34904				
Comment:								
PM10-FIL	PRIMARY PM10, FILTERABLE PORTION	8	1.000E0	0.05621				
Comment:								
PM25-FIL	PRIMARY PM2.5, FILTERABLE PORTION	8	2.500E-1	0.014053				
Comment:								
SO2	SULFUR DIOXIDE	8	1.42E2	2.793637				
Comment:								

14:51:23 05/10/2010

Page 39

Estimated Emissions - No RE

Over All % Tons/Yr: Method: Factor: Capture Control Pollutant Pollutant Description

VOC VOLATILE ORGANIC COMPOUNDS 8 0.42 0.008263

Comment:

Group Information

Group Id: 098 Actual Operating Schedule for This Group:

Group Description: TRUCK LOADING RACKS Hours/Day 24 Start Time: 0001

Design Capacity: Desgin Cap. Units: Days/Week 6

Weeks/Year End Time: 2359 52 Percent Quarterly Throughput:

O3 Season Days 78 Dec.-Feb. Mar.- May Jun.- Aug. Sept.- Nov.

25 25 25 25

Comment:

Process Unit Information

Process Unit ID: 1 Stack #: 99 Description: FUGITIVE **Description: ALL FUELS**

Source Classfiication Code (SCC): 40400250 Height: 0

Description: Petroleum Liquids Storage (non-Refinery) Diameter: 0.00 **Bulk Plants** Vent Height: 2

Loading Racks Velocity: 0.0

AP-42 Units: 1000 Gallons Liquid Transferred Exit Temp.: 0 Flow Rate:

1 Fuel Quality: Percent Sulfur: 0.000 Percent Ash: 0.00 Heat Content:

Monthly Throughtput:

December: March: June: September: July: October: April: January: November: February: May: August:

Annual Throughtput: 106426 Units: 1000 Gallons Liquid Transferred

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

Over All % Estimated Emissions - No RE Tons/Yr: Capture Control Factor: Method: <u>Pollutant</u> Pollutant Description

3 0.7482 VOC **VOLATILE ORGANIC COMPOUNDS**

Comment:

05/10/2010 Page 40 14:51:23

Group Information

Group Id:

099

Group Description: VESSEL LOADING

Actual Operating Schedule for This Group:

Hours/Day 24 Start Time: 0001

Days/Week 6

Weeks/Year 52 End Time: 2359

O3 Season Days 78

Percent Quarterly Throughput:

Dec.-Feb.

Design Capacity:

Mar.- May

Jun.- Aug. Sept.- Nov.

Desgin Cap. Units:

25

25

25

25

Comment:

Process Unit Information

Process Unit ID:

1 Description: #2 FUEL OIL

Stack #: 99

Description: FUGITIVE

Source Classification Code (SCC): 40400250

Description: Petroleum Liquids Storage (non-Refinery)

Diameter: 0.00 Vent Height: 2

Bulk Plants Loading Racks

AP-42 Units: 1000 Gallons Liquid Transferred

Velocity: 0.0 Exit Temp.: 0

1

Flow Rate:

Height: 0

Fuel Quality: Percent Sulfur: 0.000 Percent Ash:

June:

Heat Content:

September:

December: January:

March:

July:

October:

February:

April: May:

August:

November:

Annual Throughtput: 20524

Monthly Throughtput:

Units: 1000 Gallons Liquid Transferred

0.00

Comment:

Process Unit Control Equipment

No Control Devices found for this Process Unit.

Process Unit Emissions

	110003		10113					
			Estimated Emissions - No RE		Over All %			
Pollutant	Pollutant Description	Method:	Factor:	Tons/Yr:	Capture (Control		
voc	VOLATILE ORGANIC COMPOUNDS	3		0.117				
Comment:								

Facility Pollutant Emissions Summary

Facility ID:

00120

County - 005

State - 23

CAS	Pollutant		Emissions tons / year
10024972	NITROUS OXIDE (N2O) , NOT (NO2)	0.023895	0.023895
124389	CARBON DIOXIDE	4168.823	4168.823
7439921	LEAD	3.50e-4	3.50e-4
74828	METHANE	0.01103	0.01103
CO	CARBON MONOXIDE	0.919053	0.919053
NH3	AMMONIA	0.147048	0.147048
NOX	NITROGEN OXIDES	6.708261	6.708261
PM10-FIL		1.233603	1.233603
	PRIMARY PM2.5, FILTERABLE PORTION ONLY	0.045955	0.045955
SO2	SULFUR DIOXIDE	9.135382	9.135382
VOC	VOLATILE ORGANIC COMPOUNDS	4.764846	4.764846